

Chapter 9 List of Technical Studies and Referenced Documents

Preliminary technical reports documenting environmental studies conducted for the Highway 101 HOV Lane Widening and Improvements Project: Steele Lane, Santa Rosa to Windsor River Road, Windsor are listed here. Documents marked with an asterisk (*) are available for review at the following locations:

- Caltrans District 4 office, 111 Grand Avenue, Oakland, California 94623.
- Sonoma County Transportation Authority, 520 Mendocino Avenue, Suite 240, Santa Rosa, CA 95401.

Documents referenced in this EA/EIR are as follows:

Technical Studies

**Air Quality Impact Technical Report for Highway 101 Widening and Improvements Project: Steele Lane, Santa Rosa to Windsor River Road, Windsor, Terry A. Hayes Associates, July 2005.*

Archaeological Survey Report Highway 101 Widening and Improvements Project from Steele Lane in the City of Santa Rosa to Windsor River Road in the City of Windsor, Sonoma County, California, David Chavez & Associates, June 2005.

**Biological Assessment for Vernal Pool Plant Species; Supplement to Focused Biological Assessment for Sonoma County district Population Segment of the California Tiger Salamander, Parsons, December 2005.*

**Biological Assessment for Fish Species, Parsons, October 2005.*

**Community Impact Assessment, Highway 101 HOV Lane Widening and Improvements Project: Steele Lane, Santa Rosa to Windsor River Road, Windsor, Parsons, August 2005.*

**Technical Memorandum on Energy Impacts for the Highway 101 HOV Lane Widening and Improvements Project: Steele Lane, Santa Rosa to Windsor River Road, Windsor," Parsons, August 2005.*

**Draft Geotechnical Summary Report: SCTA Highway 101 Widening and Improvements Project: Steele Lane in Santa Rosa to Windsor River Road in Windsor, California, MACTEC Engineering and Consulting, Inc., November 2005.*

**Growth Inducement Study for the Highway 101 HOV Lane Widening and Improvements Project: Steele Lane, Santa Rosa to Windsor River Road, Windsor, Parsons, March 2005.*

**Draft Hazardous Wastes Summary Report: Highway 101 Widening and Improvements Project, Steele Lane in Santa Rosa to Windsor River Road in Windsor, California, MACTEC Engineering and Consulting, Inc., January 2005.*

**Draft Location Hydraulic Study and Floodplain Risk Assessment: Highway 101 Widening and Improvements Project, Steele Lane to Windsor River Road, Sonoma County, California, MACTEC Engineering and Consulting, Inc., November 2005.*

**Highway 101 Widening and Improvements Projects: Focused Corridor Biological Assessment, Sonoma County Distinct Population Segment of the California Tiger Salamander, Parsons, October 2004.*

**Historic Property Survey Report, Parsons, October 2005.*

**Historical Resource Evaluation Report: Highway 101 Widening Improvements, Steele Lane in Santa Rosa to Windsor River Road in Windsor, Sonoma County, California, JRP Historical Consulting Services, September 2005.*

**Mobile Source Air Toxics Analysis Technical Memorandum, Parsons, November 2006.*

**Natural Environment Study, Parsons, June 2006.*

**Noise Study Report: Highway 101 HOV Lane Widening and Improvements Project: Steele Lane in Santa Rosa to Windsor River Road in Windsor, Parsons, March 2006.*

**Storm Water Data Report, Parsons, August 2005.*

**Traffic Technical Memorandum–Traffic Operational Analysis, Highway 101 HOV Lane Widening and Improvement Project, Steele Lane, Santa Rosa to Windsor River Road, Windsor, Parsons, December 2005.*

**Visual Impact Assessment, Highway 101 HOV Lane Widening Project: Santa Rosa to Windsor, CirclePoint, August 2006.*

**Preliminary Wetland Delineation Report, Parsons, March 2005.*

**Water Quality Technical Memorandum, Highway 101 North HOV Lane Widening and Improvements Project: Steele Lane, Santa Rosa to Windsor River Road, Windsor, Parsons, March 2005.*

Other Referenced Documents

2000 Bay Area Clean Air Plan, Bay Area Air Quality Management District.

2001 Ozone Attainment Plan, Bay Area Air Quality Management District, Metropolitan Transportation Commission and Association of Bay Area Governments.

2005 Transportation Improvement Plan, Metropolitan Transportation Commission, 2004.

23 CFR Part 772, 2004. *Procedures for Abatement of Highway Traffic Noise and Construction Noise*, 23 Codes of Federal Regulations, Part 772, April 1.

Association of Bay Area Governments, *Projections 2005 – Forecasts for the San Francisco Bay Area to the Year 2030*, 2005.

California Air Resources Board, Federal and State Air Quality Standards, January 9, 2003.

California Air Resources Board, October 2003.

California Department of Transportation, *Caltrans Environmental Handbook, Volume 4: Community Impact Assessment*, June 1997.

Caltrans Highway Design Manual, Metric 1995.

Caltrans, California Department of Transportation. *SOUND 2000 Version 3.2* (Caltrans traffic noise prediction model), April 2004.

Caltrans, 1998a. California Department of Transportation. *Traffic Noise Analysis Protocol for New Highway Construction and Reconstruction Projects*, October.

Caltrans, 1998b. California Department of Transportation. *Technical Noise Supplement to the Traffic Noise Analysis Protocol*, October.

Caltrans, *Standard Environmental Reference* website: <http://www.dot.ca.gov/ser/>, 2004.

Caltrans, Traffic Accident Surveillance and Analysis System, an Accident and Highway Database, 2003.

Caltrans, *Traffic Volumes on the California Highway System* website: <http://www.dot.ca.gov/hq/traffops/saferesr/trafdata/2002all.html>, 2002.

City of Santa Rosa Community Development Department. February 2005.

City of Santa Rosa. *City of Santa Rosa General Plan*. Adopted June 2002.

DKS Associates, 2003. 2002 High Occupancy Vehicle (HOV) Lane Master Plan Update, Final Summary Report, prepared for the Metropolitan Transportation Commission, Caltrans District 4, and the California Highway Patrol Golden Gate Division, March.

Highway Capacity Manual (HCM) – Chapter 23, “Basic Freeway Sections”, Transportation Research Board, 2000.

I. Hirschman and M. Henderson, “Methodology for Assessing Local Land Use Impacts of Highways.” Transportation Research Record 1274, Transportation Research Board, Washington, DC. 1990.

Mayer, K. E. and W. F. Laudenslayer, Jr., eds. 1988. *A Guide to Wildlife Habitats of California*. California Department of Forestry and Fire Protection, Sacramento, CA.

Metropolitan Transportation Commission, *2001 Regional Transportation Plan for the San Francisco Bay Area*, Adopted December 2001, Amended November 2002: Attachment A, Sonoma County Projects, Track 1.

Procedures for Abatement of Highway Traffic Noise and Construction Noise (23 CFR Part 772, 2003). FHWA.

Public Meeting Summary Report: Highway 101 Widening Projects, Steele Lane (Santa Rosa) to Windsor River Road (Windsor); Old Redwood Highway (Petaluma) to Rohnert Park Expressway (Rohnert Park), Moore Iacofano Goltsman (MIG), Inc., October 2003.

Sonoma County Transportation and Public Works Department, January 2005.

Sonoma County. *Sonoma County Airport Industrial Area Specific Plan*, 1987.

Sonoma County. *Sonoma County Comprehensive Transportation Plan for 2004*, 2004.

Sonoma County. *Draft Sonoma County General Plan 2020*, 2005.

Stakeholder Interviews Summary Report: Highway 101 Widening Projects, Steele Lane (Santa Rosa) to Windsor River Road (Windsor); Old Redwood Highway (Petaluma) to Rohnert Park Expressway (Rohnert Park), Moore Iacofano Goltsman (MIG), Inc., August 2003.

Town of Windsor Planning Department. May 2004.

Town of Windsor. *Town of Windsor General Plan*. March 1996.

Traffic Noise Analysis Protocol, Caltrans, 1998a.

Transportation 2030 Plan, Metropolitan Transportation Commission, 2005.

United States Census Bureau, 2004, website: www.census.gov.

United States Code of Federal Regulations, Title 40, Part 93.

United States Department of Transportation Federal Highway Administration, Office of Environmental Policy, *Visual Impact Assessment for Highway Projects*, March 1981.